



Work Order (Bid Form)

Knoxville/Knox County Community Action Committee



WORK ORDER INFORMATION

Work Order Name: WO/80008KN0761/1

Work Order Type: Weatherization

Audit Name: 80008KN0761-Audit

CLIENT INFORMATION

Client Name:

Address:

Client ID: 80008KN0761

Alt. Client ID: KNOX

AGENCY INFORMATION

Agency: Knoxville/Knox County CAC

Agency Phone: (865) 244-3080

Address: P.O.Box 51650

Fax: (865) 544-1647

Knoxville, TN 37950-1650

Email Address: jason.estes@cachousing.org

Company Name & License Number: _____

Contractor's Signature: _____

COMMENT

•Single Family Dwelling

Contractor to follow 2006 International Residential Code as adopted by the City of Knoxville or Knox County as applicable.

City

Home built in 1940

An EPA Certified Firm/Renovator is required.

Client Name:

Client ID: 80008KN0761

Alt. Client ID: KNOX

Work Order (Bld Form)

Work Order Name: WO/80008KN0761/1

Report Run On: 5/8/2010

DOE Weatherization Assistant

Version 8.6.0

Page 1 of 13

Measures

Measure 1 Double Pane Replacement (10 Square Feet)(S2)

Components

Inspected

Comment Refer to Appendix A- Standards for Weatherization Materials and Southeast Field Guide.

☐

#	Material / Labor	Description / Comment	Units	Estimated			Actual		
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Windows	Double Pane Replacement (10 Square Feet) Refer to Appendix A- Standards for Weatherization Materials and Southeast Field Guide.	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Labor	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:

Sub Total:

Field Notes:

Client Name:

Client ID: 80008KN0761

Alt. Client ID: KNOX

Work Order (Bid Form)

Work Order Name: WO/80008KN0761/1

Report Run On: 5/8/2010

DOE Weatherization Assistant

Version 8.6.0

Page 2 of 13

Measure 2 Mastic the Return Box**Components****Inspected**

Comment Liquid white Mastic to be applied to entire inside of return to seal all seams. Use foam board around edges to fill in any voids and mastic. Seal front of return box where it meets return register with appropriate caulk. No changes allowed. Refer to Appendix A- Standards for Weatherization Materials and Southeast Field Guide.

☐

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Construction Mate	Mastic the Return Box Refer to Attachment A- Standards for Weatherization Materials and Southeast Field Guide.	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Labor	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:**Sub Total:****Field Notes:**

Client Name:

Client ID: 80008KN0761

Alt. Client ID: KNOX

Work Order (Bid Form)

Work Order Name: WO/80008KN0761/1

Report Run On: 5/8/2010

DOE Weatherization Assistant

Version 8.6.0

Page 3 of 13

Measure 3 Mastic/Insulate Supply Boot(QTY 9)**Components****Inspected**

Comment Liquid white Mastic to be applied to entire inside of boot to seal all seams. Top of boot where it meets subfloor to be caulked with appropriate caulk. Boots to be insulated on outside of boot to R-6. This is best performed with 2-part close cell foam. No changes allowed. Refer to Appendix A- Standards for Weatherization Materials and Southeast Field Guide.

☐

NOTE: When post audit is performed, all boots must be below 1 pascal with none over 3 pascals and not more than 3 boots over 1 pascal but less than 3 pascals. Location+Register Type^Initial (Pa)

Living RoomSupply25.3

Living RoomSupply21.2

Living RoomSupply23.8

Dining RoomSupply24.1

KitchenSupply23.2

Bdrm3Supply22.4

Bath3Supply21.7

Bdrm2Supply3.4

Bath1Supply8.1

HallwaySupply31.1

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Construction Mate	Mastic/Insulate Supply Boot	Each	9	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Labor	Each	9	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:**Sub Total:****Field Notes:**

Client Name:

Client ID: 80008KN0761

Alt. Client ID: KNOX

Work Order (Bid Form)

Work Order Name: WO/80008KN0761/1

Report Run On: 5/8/2010

DOE Weatherization Assistant

Version 8.6.0

Page 4 of 13

Measure 4 Seal & Repair Duct 20 linear ft 14"**Components****Inspected**

Comment •Flex Duct must be sized correctly. Flex Duct to be installed with straightest and shortest route, Must be secured with straps to alleviate ant sagging, and must be pulled tight so that inner liner is fully stretched out. Must have a minimum of R-6 insulation around it. Must be attached with zip tie and then taped with appropriate tape. No changes allowed. Refer to Appendix A- Standards for Weatherization Materials and Southeast Field Guide.

☐

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Unspecified	Seal & Repair Duct (+)	Linear Foot	20	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	labor	Linear Foot	20	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:**Sub Total:****Field Notes:**

Client Name:

Client ID: 80008KN0761

Alt. Client ID: KNOX

Work Order (Bid Form)

Work Order Name: WO/80008KN0761/1

Report Run On: 5/8/2010

DOE Weatherization Assistant

Version 8.6.0

Page 5 of 13

Measure 5 DWH Pipe Insulation**Components****Inspected****Comment**☐

#	Material / Labor	Description / Comment	Units	Estimated			Actual		
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	DHW Pipe Insulation Includes labor cost. All corners must be cut properly. Refer to Appendix A- Standards for Weatherization Materials and Southeast Field Guide.	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	DHW Pipe Insulation	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:**Sub Total:****Field Notes:**

Client Name:

Client ID: 80008KN0761

Alt. Client ID: KNOX

Work Order (Bid Form)

Work Order Name: WO/80008KN0761/1

Report Run On: 5/8/2010

DOE Weatherization Assistant

Version 8.6.0

Page 6 of 13

Measure 6 Attic Ins. R-38**Components A1****Inspected**

Comment •Includes labor cost. Contractor to install 1 ruler for every 300 square foot of attic space showing depth of insulation. Build insulation dam around attic access. Install baffles as needed to prevent loose fill insulation from entering soffit and covering vent. Seal all holes, gaps, and penetrations in attic before insulating. Seal around chimney with sheet metal and high temperature silicone or fire resistant foam. Install R-30 fiberglass batt secured to attic access and weather strip with foam tape. Contractor to install using Resnet Grade 1 Standards. Refer to Appendix A- Standards for Weatherization Materials and Southeast Field Guide.

☐

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	Attic Insulation - Blown Fiberglass - R-38	SqFt	1500	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Attic Insulation - Blown Fiberglass - R-38	SqFt	1500	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:**Sub Total:****Field Notes:**

Client Name:

Client ID: 80008KN0761

Alt. Client ID: KNOX

Work Order (Bid Form)

Work Order Name: WO/80008KN0761/1

Report Run On: 5/8/2010

DOE Weatherization Assistant

Version 8.6.0

Page 7 of 13

Measure 7 Floor Ins. R-19**Components F1****Inspected**

Comment • Includes labor cost. Contractor's responsibility to seal penetration in floor before installing insulation. Contractor to install using Resnet Grade 1 Standards. Insulation is installed to maintain permanent contact with the subfloor above (paper side against subfloor) including necessary supports (e.g. staves for blankets). Insulation to have NO gaps, voids, or compressions. Refer to Appendix A- Standards for Weatherization Materials and Southeast Field Guide.

☐

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	Floor Insulation - Fiberglass Batts - R-19	SqFt	1700	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Floor Insulation - Fiberglass Batts - R-19	SqFt	1700	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:**Sub Total:****Field Notes:**

Client Name:

Client ID: 80008KN0761

Alt. Client ID: KNOX

Work Order (Bld Form)

Work Order Name: WO/80008KN0761/1

Report Run On: 5/8/2010

DOE Weatherization Assistant

Version 8.6.0

Page 8 of 13

Measure 8 DWH Tank Insulation				Components			Inspected		
Comment									
				Estimated		Actual			
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Hot Water Equipm	DHW Tank Insulation Includes labor cost. R-10 minimum. Refer to Appendix A- Standards for Weatherization Materials and Southeast Field Guide.	Each	1					
2	Labor	DHW Tank Insulation extend pressure relief pipe as needed	Each	1					
Other Detail									
Measure Sub Total:							Sub Total:		

Field Notes:

Measure 9 Wall Insulation**Components** WALL 1,WALL
2,WALL 3,WALL 4**Inspected**☐

Comment •Includes labor cost. Contractor must use a dense pack blowing machine. Contractor must dense pack insulation at 3.5 pounds per square foot. Contractor's responsibility to install wood or Styrofoam plugs in holes after installing wall insulation. Contractor's responsibility to repair wall damage interior or exterior if needed while installing wall insulation. Contractor to clean up area around house and clean siding off after measure completed. Refer to Appendix A- Standards for Weatherization Materials and Southeast Field Guide.

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	Wall Insulation - Blown Cellulose - 2x4 Filled	SqFt	1265	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Wall Insulation - Blown Cellulose - 2x4 Filled	SqFt	1265	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:**Sub Total:****Field Notes:**

Client Name:
Client ID: 80008KN0761
Alt. Client ID: KNOX

Work Order (Bid Form)
Work Order Name: WO/80008KN0761/1
Report Run On: 5/8/2010

DOE Weatherization Assistant
Version 8.6.0
Page 10 of 13

Measure 10 Refrigerator Rplcmnt**Components****Inspected**☐

Comment •Kenmore or equivalent (must submit equivalent to Housing Director for approval). Deliver and install new refrigerator and ensure handles are on the appropriate side. Provide client education on the settings of the refrigerator and set the temperature controls appropriately. Contractor to remove all packaging materials and old refrigerator from premises. Refrigerant charge must be removed and reclaimed by a certified technician before refrigerator goes to dump. Must provide written documentation from the certified technician with technician certification license number and landfill disposal certification. Refer to Appendix A- Standards for Weatherization Materials and Southeast Field Guide. Refer to the Clean Air Act USC Title 42, Section 7671g. Must be Energy Star.

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Refrigerators	Kenmore - 68172	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	labor	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:**Sub Total:****Field Notes:**

Client Name:

Client ID: 80008KN0761

Alt. Client ID: KNOX

Work Order (Bld Form)

Work Order Name: WO/80008KN0761/1

Report Run On: 5/8/2010

DOE Weatherization Assistant

Version 8.6.0

Page 11 of 13

Measure 11 CO Monitor is Needed**Components****Inspected****Comment** Refer to Attachment A- Standards for Weatherization Materials and Southeast Field Guide.☐

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	CO monitor Refer to Attachment A- Standards for Weatherization Materials and Southeast Field Guide.	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Labor	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:**Sub Total:****Field Notes:****Measure 12 Practice Lead Safe Weatherization
(Walls)****Components****Inspected****Comment** A Certified Firm /Renovator is required to adhere to EPA RRP rules. Need to submit copy of Lead Report and 3 pictures (before, during, and after) of each activity.☐

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	EPA RRP Lead Rules	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Labor	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:**Sub Total:****Field Notes:**

Client Name:

Client ID: 80008KN0761

Alt. Client ID: KNOX

Work Order (Bid Form)

Work Order Name: WO/80008KN0761/1

Report Run On: 5/8/2010

DOE Weatherization Assistant

Version 8.6.0

Page 12 of 13

Measure 13 Vapor Barrier Needed**Components****Inspected****(Basement/Crawlspace)(QTY 1500SF)**

Comment Must be 6 mil poly. Must be installed 100% of crawlspace with 6" turned up all walls and support piers. Must be securely fastened. Must be cleaned down to earth. Must be secured at all seams. Refer to Attachment A- Standards for Weatherization Materials and Southeast Field Guide.

☐

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	Basement /Crawlspace Vapor Barrier	SqFt	1500	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Labor	SqFt	1500	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:**Sub Total:****Field Notes:****Work Order Grand Total:****Grand Total:**

Client Name:

Client ID: 80008KN0761

Alt. Client ID: KNOX

Work Order (Bid Form)

Work Order Name: WO/80008KN0761/1

Report Run On: 5/8/2010

DOE Weatherization Assistant

Version 8.6.0

Page 13 of 13